



**Spot Test Report (TC12)**  
**according to EN301 406 v1.5.1 (2003-07)**  
**Digital Enhanced Cordless Telecommunic (DECT)**

**Report No.: 60.860.8.020.03R**

Client:	SunCorp Communications Limited
Product:	DECT Phone
System Under Test (SUT):	DECT79-C01 (FP)
Manufacturer	Shenzhen Guo Wei Electronics Co., Ltd.
Date test item received:	2008/03/04
Date test campaign completed	2008/03/20
Date of issue:	2008/03/21
Test results:	COMPLIED

*The test report include test result of conformance log layer 1.*

*Total number of pages of this test report: 15 pages*

**The test result only corresponds to the tested sample. It is not permitted to copy this report, in part or in full, without the permission of the test laboratory.**

Approved by

Jeff Pong  
Deputy Telecom Manager

**TÜV SÜD Hong Kong Ltd.**  
**TÜV SÜD Group**  
Unit 601 InnoCentre, 72 Tat Chee Avenue, Kowloon Tong, Kowloon

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## Remarks:

### 1) Measurement:

Below 1GHz (using Dipole Antenna)

ERP:SG level-cable loss

### 2) Measurement:

Above 1GHz(using Horn Antenna)

ERP:SG level +Antenna Gain(dBi)-cable loss-EIRP transfer to ERP factor

Following record as H,V mean that testing at Horizontal, Vertical

## 1.1 Client identification

Name	SunCorp Communications Limited
Contact person	Mr. C.W. Cheung
Address	Room 1907-08, Harcourt House, 39 Gloucester Road, Wanchai, Hong Kong
Phone No.	86 755 25733333/ 25736666
Fax No.	86 755 5732288

## 1.2 Comments for testing

Delivery date of Test Candidate: 2008.03.04  
The tests were done from 2008.03.04 to 2008.03.20

### Test Location T01

During the tests were present:  
Mr. Jeff Pong from **TÜV SÜD Hong Kong Ltd.**  
Mr. C.W. Cheung from **SunCorp Communications Limited**

The test set-up and tests are according to EN301 406 V1.5.1(2003-07) and **DTAAB DT.04 V10 from 11/99** and the internal test comments of the test lab.

All radiated measurements were done in the anechoic chamber  
The test site and the whole test equipment is according to standards  
EN301 406 V1.5.1 (2003-07).

## 2. Test campaign report

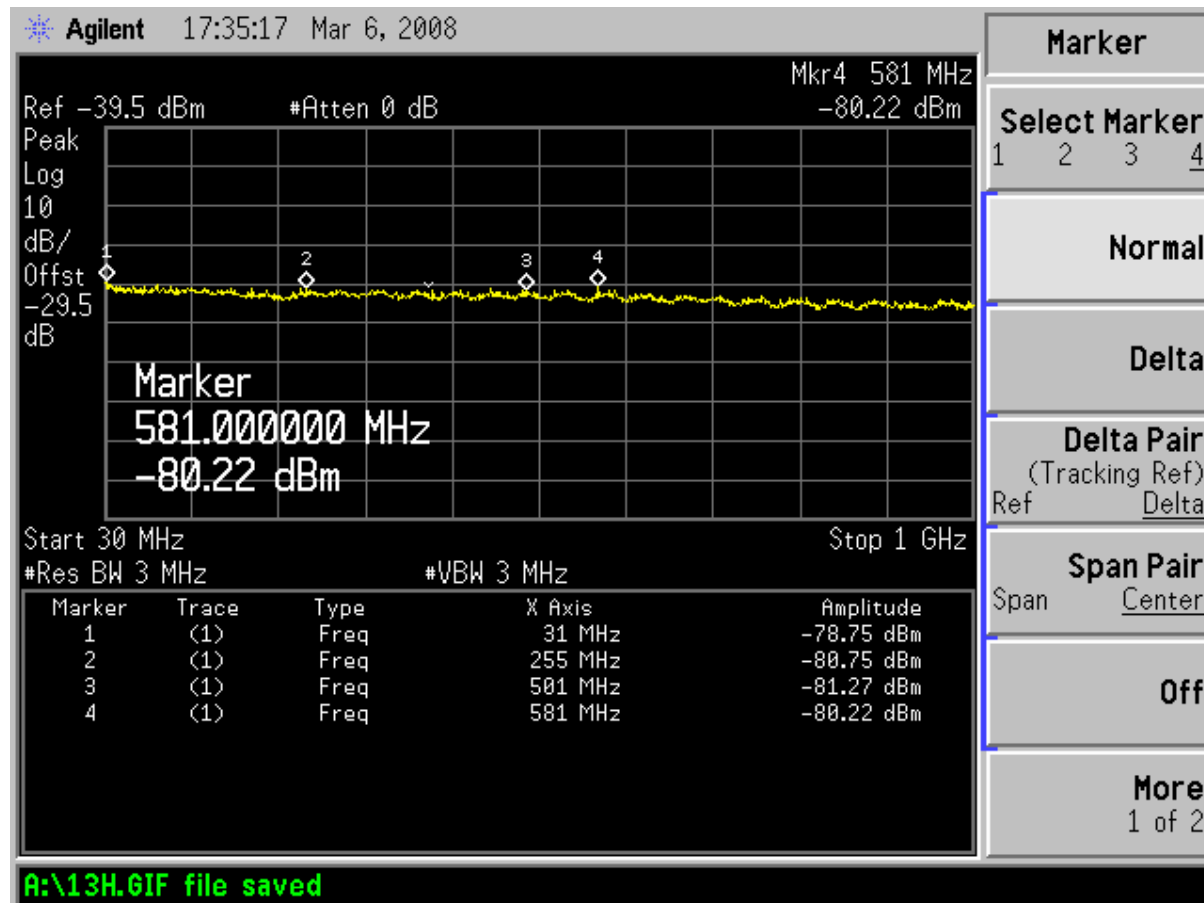
### 2.1 TC 12 Spurious emissions when allocated a transmit channel (4.5.6.5)

Channel 5, radiated

30 MHz – 1 GHz	aimed $\leq$ -36 dBm	actual $\leq$ -57.15 dBm
1 GHz – 4 GHz	aimed $\leq$ -30 dBm	actual $\leq$ -44.77 dBm
Peak at 3.777 GHz hor.	aimed $\leq$ -30 dBm	actual $\leq$ -36.69 dBm
broadcast bands according to TBR 6	aimed $\leq$ -47 dBm	actual $\leq$ -71.95 dBm
Measurement uncertainty	f<1GHz: + 2.89 dB / -2.98 dB f>1GHz: + 3.53 dB / -3.53 dB	

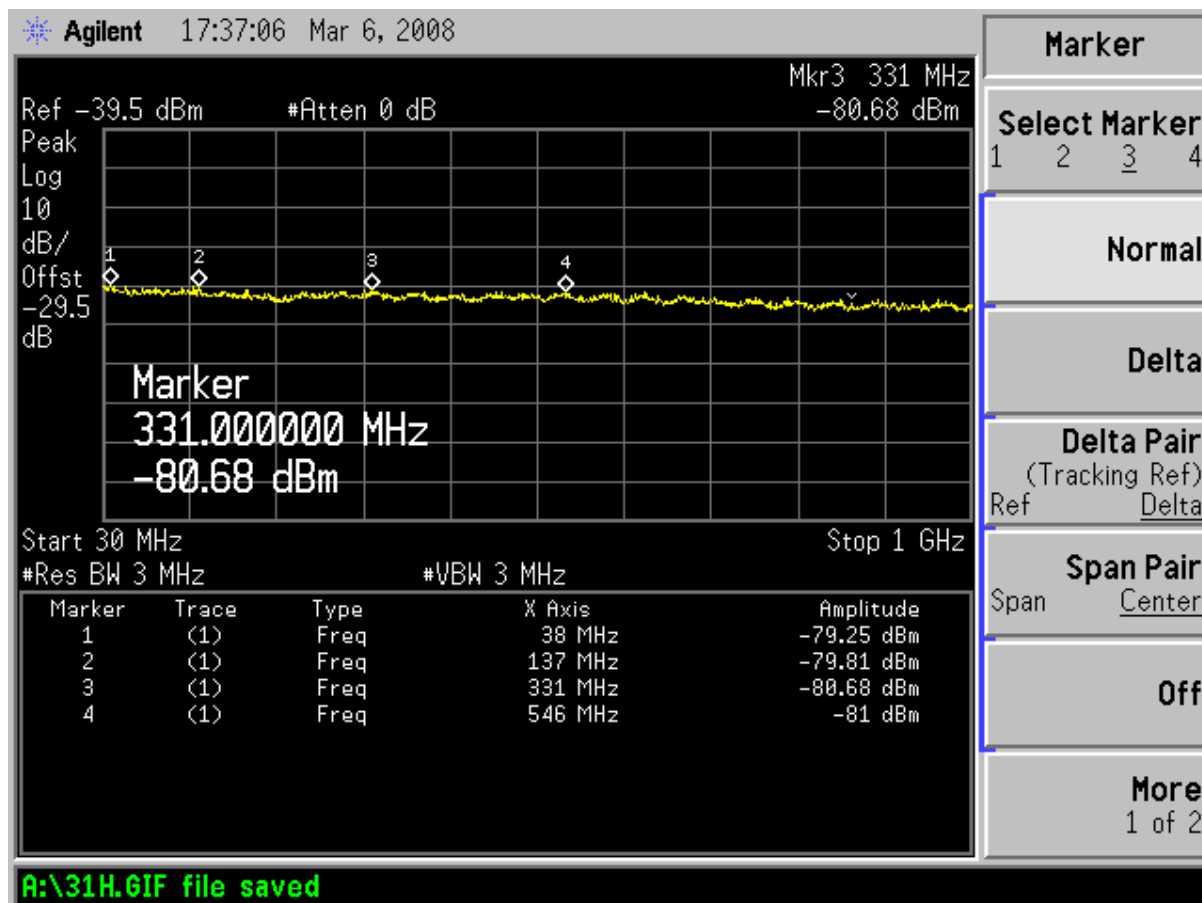
P  
P  
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P

## Appendix1 : Plotted Data of 30MHz to 1GHz (Out of broadcast band)



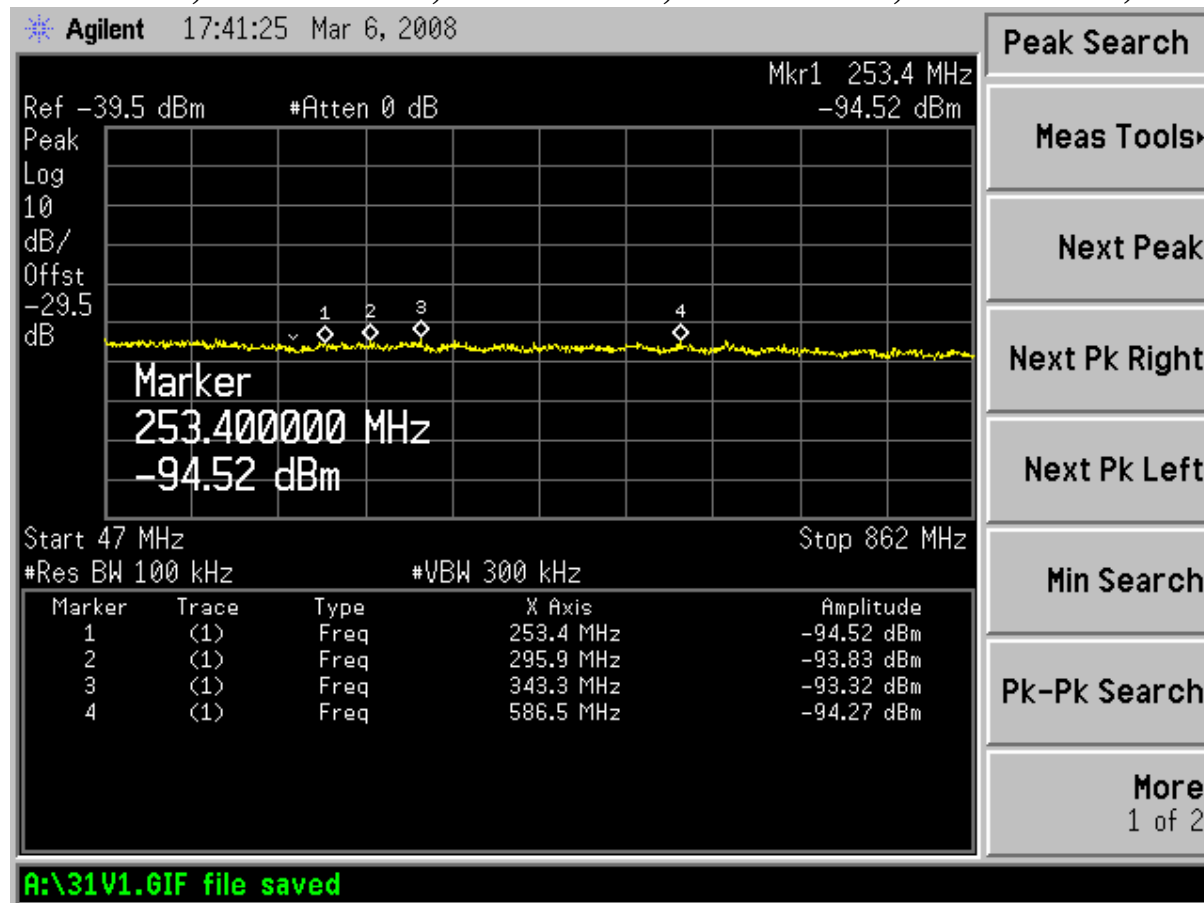
H

331 MHz at V  
ERP=-57.15dBm



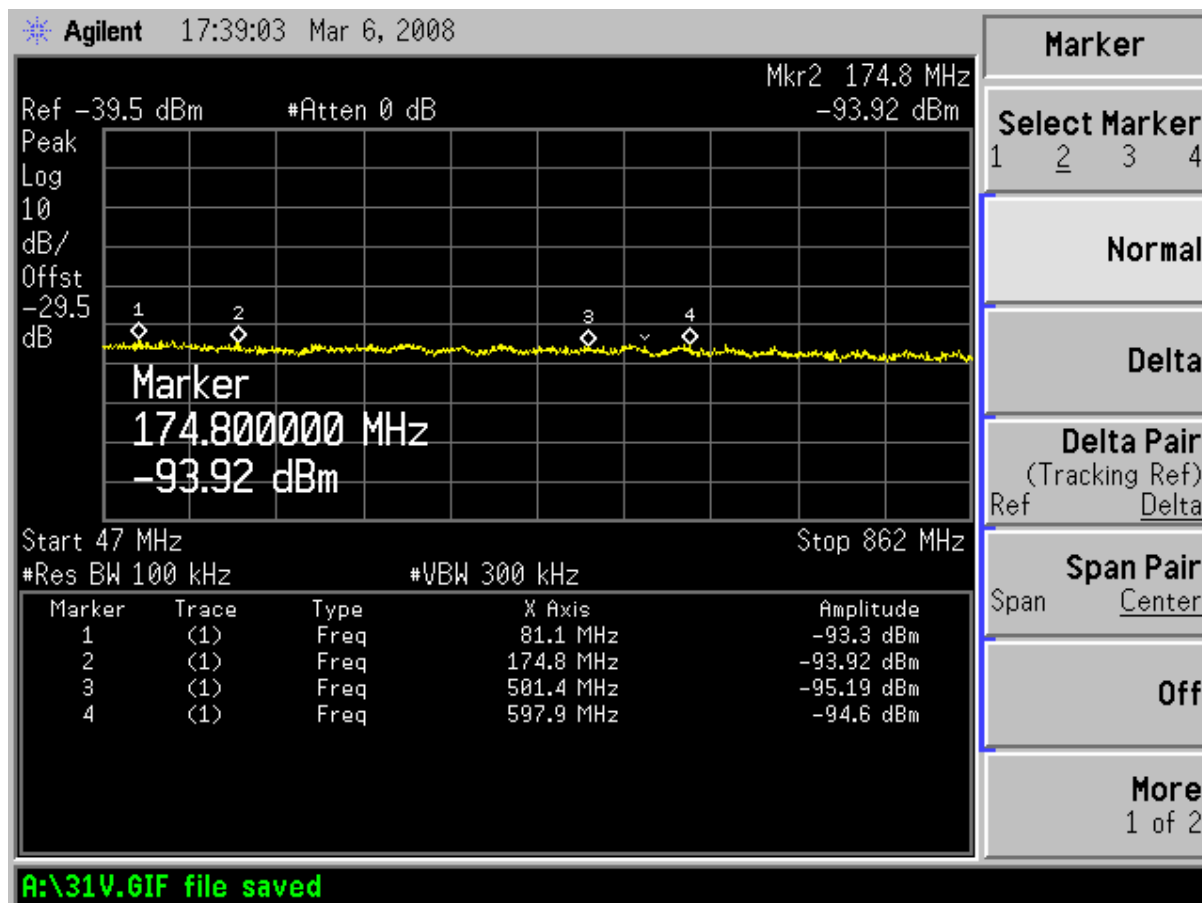
V

**Appendix2 :Plotted Data of 30MHz to 1GHz (In broadcast band,  
47-74MHz,87.5-108MHz,108-118MHz,174-230MHz,470-862MHz)**



**H**

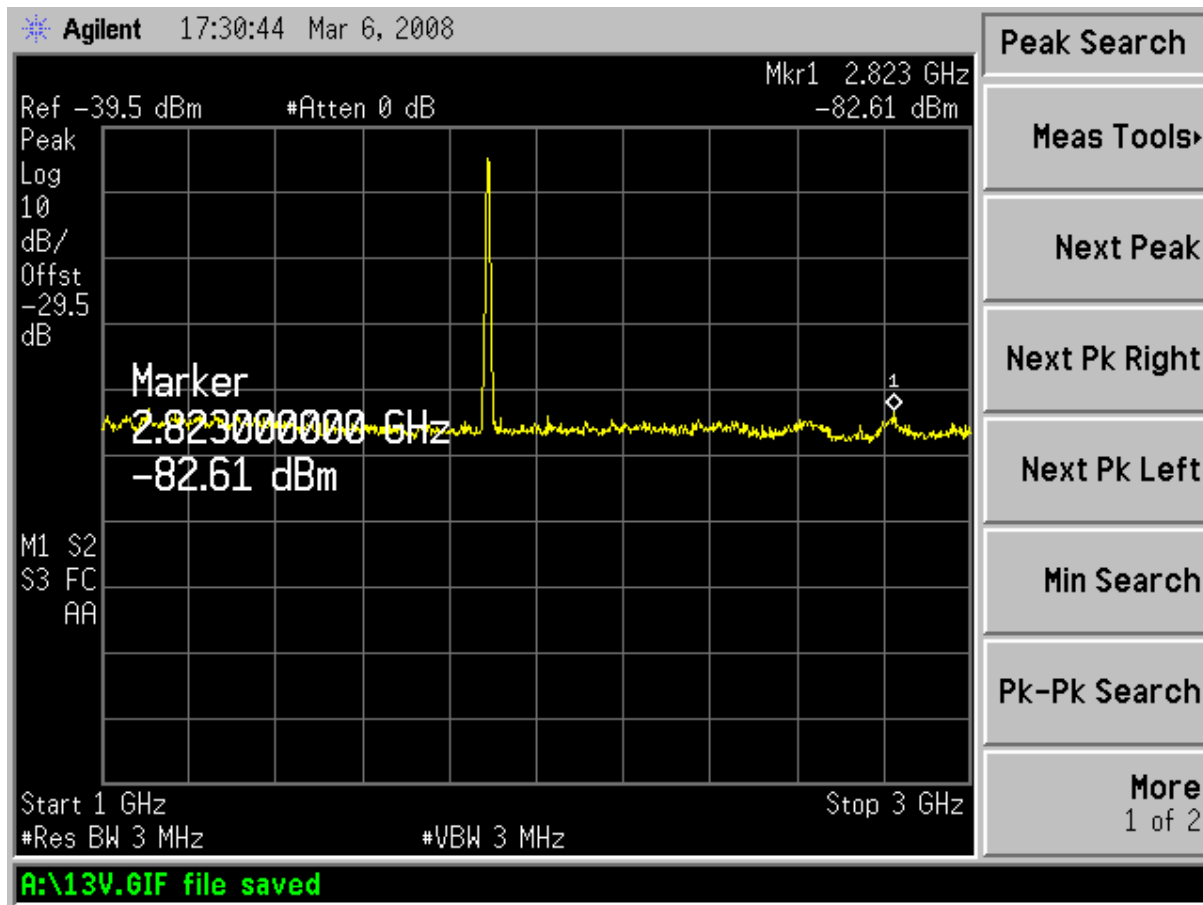
**586.5MHz at H  
ERP=-71.95dBm**



V

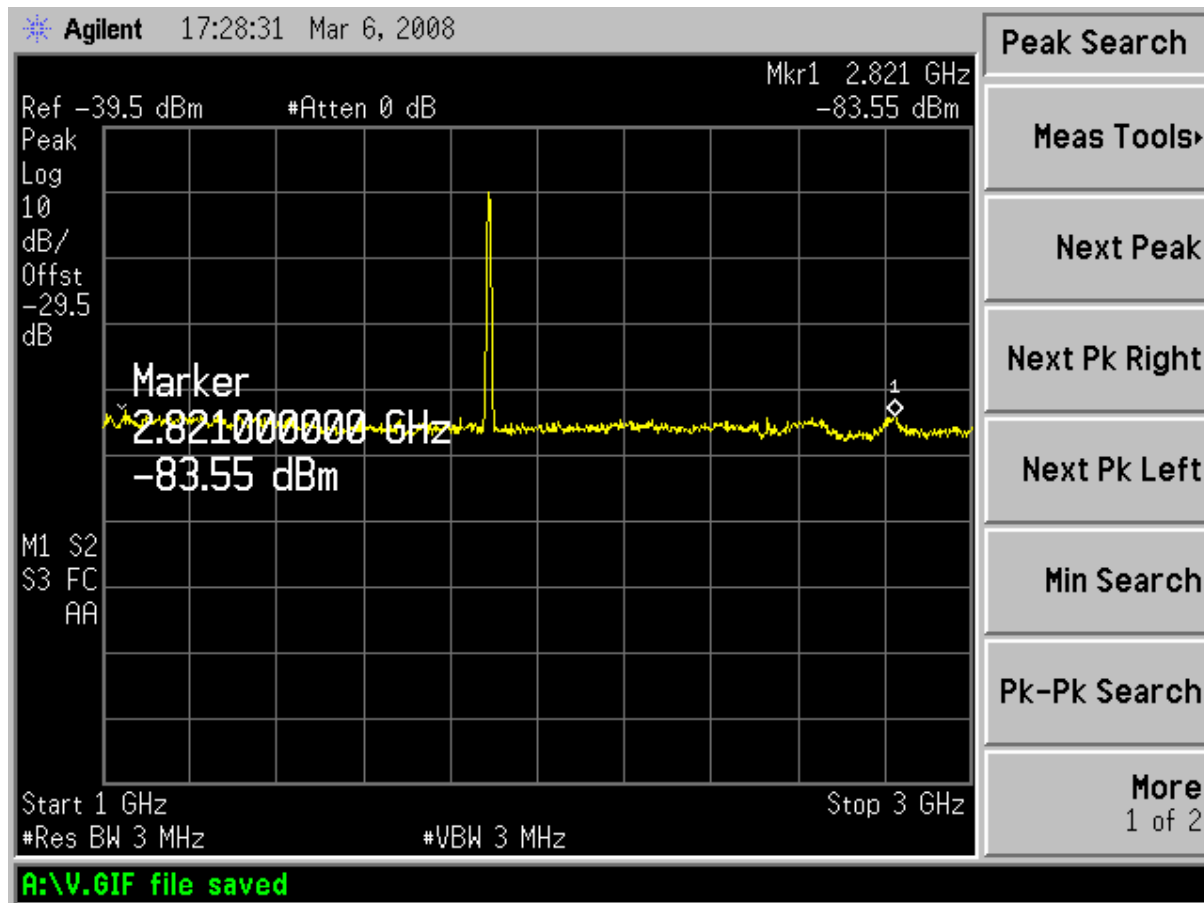


### Appendix 3 : Plotted Data of 1GHz to 3GHz



**H**

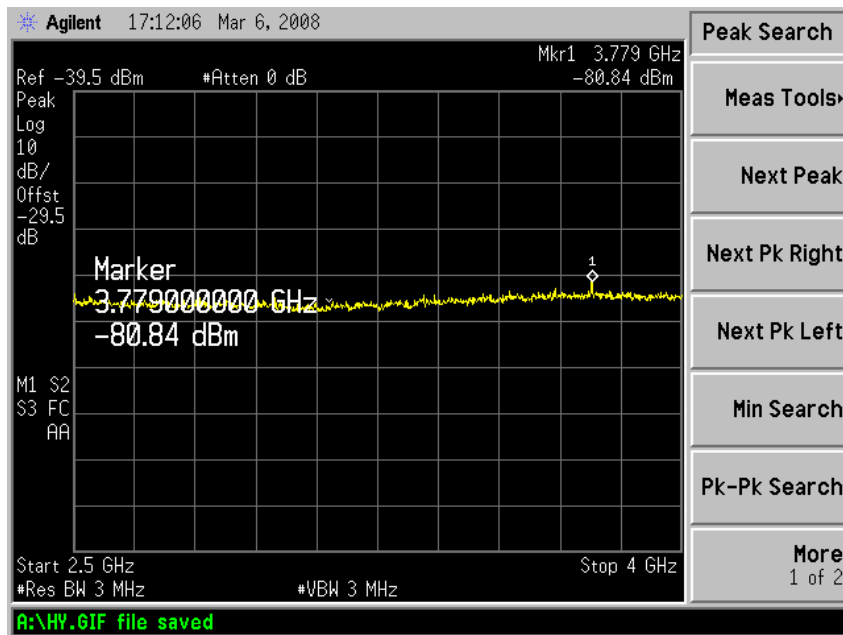
**ERP=-44.77dBm**



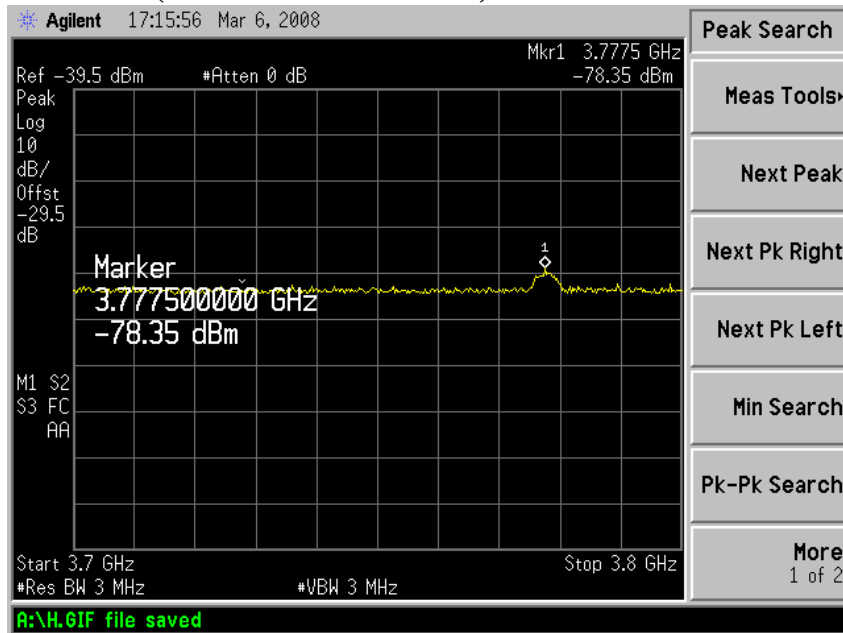
V

ERP=-45.75dBm

## Appendix 4 : Plotted Data of 2.5GHz to 4GHz

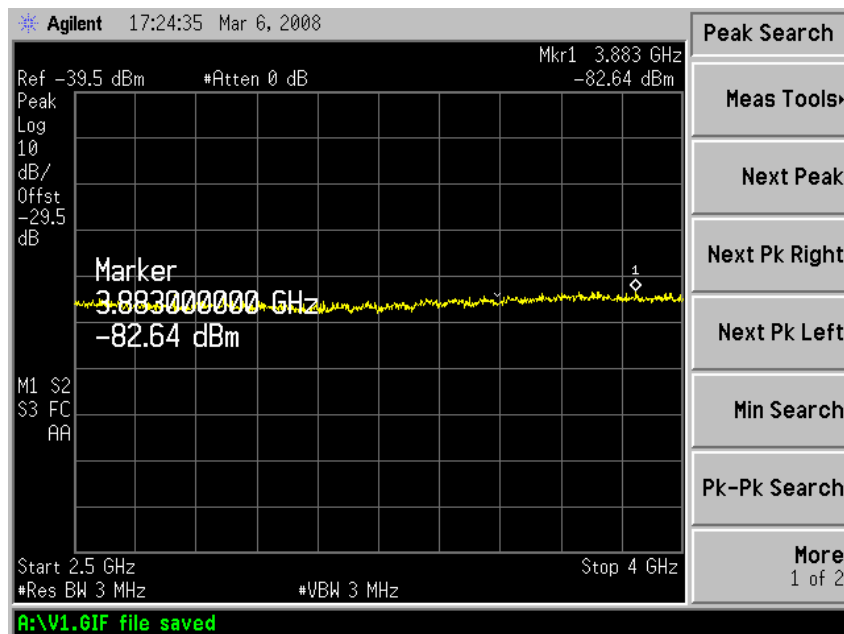


## Zoom in(3.7GHz to 3.8GHz)

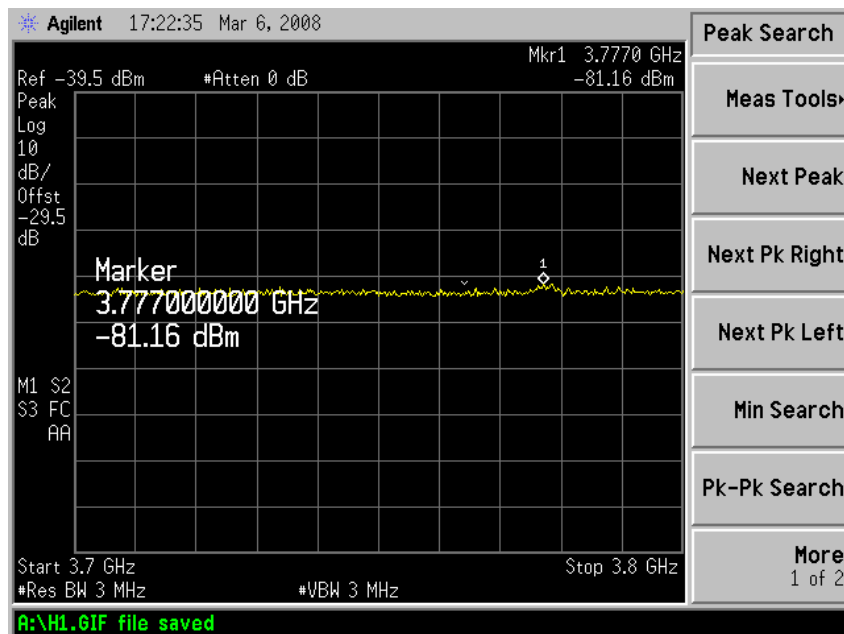


H

ERP=-36.69dBm



## Zoom in



V

ERP=-42.19dBm

**Appendix 5** Photo of the Test Candidate (exterior)



Photo of the Test Candidate (exterior)





Photo of the Test Candidate (interior)

